

Receiving Report

Date:

14/4/16
Thyssenk

Batch No: M12866

Supplier:

Dart P/O: 23744

Packing Slip: Yes No
 Invoice: Yes No
 Receipt: Cash Cr
 New Supplier Yes No

Release Note Attached: Yes No N/A
 Waybill Attached: Yes No N/A
 Shipment Complete: Yes No N/A
 QC18 Inspection DASL 10 N/A
 Work Order 989 14/4/16 N/A

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Rec'd	Quantity Short	Quantity Inspected	Quantity Rejected	Comment / NCR Number
<u>M6061562-0000000000</u>	<u>ITEM 512 12</u>	<u>12</u>	<u>0</u>	<u>12</u>			
<u>M303B0100X01-000</u>	<u>ITEM 512 12</u>	<u>12</u>	<u>0</u>	<u>12</u>			

Initials of Receiver QC12 C

Production/Admin:

Date

Received/Costing

Initial

Location _____

Purchase Order Receipt Listing

Wednesday, April 16, 2014 2:07:07 PM

All amounts are calculated in domestic currency.

Page 1 of 2

All Vendors PO ID PO23744 All Receipt Dates All Line Item Types
 All Item ID/GL/WOs All Rec. Employees All Currencies
 Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID Reference/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID/Vendor Name		VC-COP001 Thyssenkrupp Materials CA Ltd	M6061T6B2.000X05. f 000	4/17/2014 4/16/2014	12.0000	\$21.26	0.0000	0	0	\$255.10
CAD	No	6061T6 Bar 2.00 x f 5.000 m128866	6061T6B0.375X01. f 000	4/17/2014 4/16/2014	24.0000	\$1.13	0.0000	0	0	\$27.14
	No	6061T6 BAR .375 x f 1.00 m128866	6061-T6 BAR .500 x f 1.00 m128866	24.0000	DESJ02	\$27.14	0.0000	0	0	
	No	6061T6B0.500X12. f 000	6061-T6 Bar .500 x f 12.00 m128866	4/17/2014 4/16/2014	12.0000	\$12.80	0.0000	0	0	\$153.60
	No	6061T6B0.750X00. f 250	6061-T6 Bar .750 x f .250 m128866	4/17/2014 4/16/2014	12.0000	DESJ02	\$153.60	0.0000	0	
	No	6061T6B0.750X01. f 500	6061-T6 Bar .750 X f 1.50 m128866	4/17/2014 4/16/2014	12.0000	DESJ02	\$2.26	0.0000	0	\$27.14
	No	6061T6B00750X00 f .125	6061-T6 Bar .750 x f .125 m128866	4/17/2014 4/16/2014	60.0000	\$2.41	0.0000	0	0	\$28.95
	No	6061T6B00750X01 f .125	6061-T6 Bar .750 X f .125 m128866	4/17/2014 4/16/2014	60.0000	DESJ02	\$28.95	0.0000	0	
	No	6061T6B00750X00 f .125	6061-T6 Bar .750 x f .125 m128866	60.0000	DESJ02	\$16.28	0.0000	0	0	\$16.28

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name											
PO23744	8	VC-COP001	Thyssenkrupp Materials CA Ltd	M6061T6B1.000X02. f 000 6061-T6 Bar 1.00 x f 2.00	4/22/2014 4/16/2014	24.0000 DESJ02	24.0000	\$4.25 0.0000	0.0000	0	\$102.04
CAD	No	m128866	M6061T6B1.250X04. f 500 6061-T6 Bar 1.25 X f 4.50	4/17/2014 4/16/2014	12.0000 DESJ02	12.0000	\$11.91 \$142.93	0.0000 0.0000	0.0000	0	
9	No	m128866	M6061T6B2.000X02. f 000 6061-T6 Bar 2.00 x f 2.00	4/17/2014 4/16/2014	12.0000 DESJ02	12.0000	\$8.44 \$101.31	0.0000 0.0000	0.0000	0	
10	No	m128866	M6061T6R1.000 f ROUND BAR 1.00" f	4/17/2014 4/16/2014	60.0000 DESJ02	60.0000	\$1.66 \$99.50	0.0000 0.0000	0.0000	0	\$99.50
12	No	m128866									
Total Received Quantity:											
Total Qty to Inspect (PO U/M):											
Total Reject Quantity:											
Total Receipt Value:											
Total Balance Due Quantity:											
Total											
240.0000											
0.0000											
0.0000											
\$953.99											
0.0000											

B I L L O F L A D I N G

No: PEC 872637

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7
 Tel: 613-632-9577 Fax: 613-632-1053

Ship Date 14Apr14 at 15:57 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0-0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE
 1270 ABERDEEN ST
 HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC-671551- 1 Your PO # 23744

ALUMINUM FLAT BAR 6061-T6511

2.00" x 5.00" X 144.0000"

CUT IN HALF

MTR

Heat Number	Tag No	Quantity	PCS	Wt LBS
166014-5	282085	12 FT	1	141

2) Our Order PEC-671551- 2 Your PO # 23744

ALUMINUM FLAT BAR 6061-T6511

.375" x 1.00" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
21359	281826	24 FT	2	11

3) Our Order PEC-671551- 3 Your PO # 23744

ALUMINUM FLT BAR ECONOPLT 6061-T6511

.500" X 12.00" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
21656812	281827	12 FT	1	86

4) Our Order PEC-671551- 4 Your PO # 23744

ALUMINUM FLAT BAR 6061-T6511

.250" x .750" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
13081551B	281828	12 FT	1	2

5) Our Order PEC-671551- 5 Your PO # 23744

ALUMINUM FLAT BAR 6061-T6511

.750" X 1.50" X 144.0000"

Heat Number	Tag No	Quantity	PCS	Wt LBS
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Page: 1Continued

MTR

MTR

MTR

MTR

MTR

MTR

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
 DART AEROSPACE

No: PEC 872637
 Ship Date 14Apr14 at 15:57 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0-0 Manifest
 Vhicle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

165215-5

281829

12 FT ✓ 1

15

6) Our Order PEC-671551- 6 Your PO # 23744
 Part # OFFERING 240" LENGTHS Rel #

ALUMINUM FLAT BAR 6061-T6511
 .125" x .750" X 240.0000"

Heat Number Tag No
 13121091A 281830

Quantity 60 FT ✓ PCS 3

Wt LBS 6

7) Our Order PEC-671551- 7 Your PO # 23744

ALUMINUM FLAT BAR 6061-T6511
 1.00" x 2.00" X 144.0000"

Heat Number Tag No
 165427-2 281831

Quantity 24 FT ✓ PCS 2

Wt LBS 56

8) Our Order PEC-671551- 8 Your PO # 23744

ALUMINUM FLAT BAR 6061-T6511
 1.250" x 4.50" X 144.0000"

Heat Number Tag No
 201318955 281832

Quantity 12 FT ✓ PCS 1

Wt LBS 81

9) Our Order PEC-671551- 9 Your PO # 23744

ALUMINUM SQUARE BAR 6061-T6511
 2.00" X 144.0000"

Heat Number Tag No
 166378-5 281833

Quantity 12 FT ✓ PCS 1

Wt LBS 56

10) Our Order PEC-671551- 10 Your PO # 23744

ALUMINUM ROUND BAR 6061-T6511
 1.00" DIA X 144.0000"

Heat Number Tag No
 377267 281834

Quantity 60 FT ✓ PCS 5

Wt LBS 56

TOTAL: Tags 10 PCS 18 LBS 510

MTR MTR MTR MTR MTR

Page: 2Continued

14/4/16

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

B I L L O F L A D I N G

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
 DART AEROSPACE

No: PEC 872637
 Ship Date 14Apr14 at 15:57 From PFW
 Probill
 Via VIM TRANSFER
 FOB CONCORD
 Frt PREPAID
 Route 0-0 Manifest
 Vhcle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

B I L L O F L A D I N G

Heat Number *** Chemical Analysis ***
 13081551B
 13121091A
 165215-5
 165427-2
 166014-5
 166378-5
 201318955
 21359
 21656812
 377267

ADD ON TO 671461 VIM SUR-CHARGE ADDED

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

TOTAL 3 BDLS GW. 550 LBS

CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA CONCORD, ONT. *** 9:00 AM TO 4:00 PM ***
 **** TEL. 800-926-2600 ****

 * WE STOCK STAINLESS STEEL *
 * PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

 PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE ADDED TO EVERY ORDER.

Page: 3 Last

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
2.00" X 5.00" X 144.0000"

PART NO.



ALUMINUM

PO/Rel 23744
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210

BL PEC-872637-001
http://www.extrudex.com

Certificate of Mill Test Results
14April14
Pg 1/1

141 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
14/04/14

MILL TEST ASTM B221

BILL TO	CERT CODE:	DATE OF SHIPMENT	EXTRUDEX ORDER NO.	MANIFEST NO.
THYSSENKRUPP MATERIALS,NA	1	Mar/07/2014	166014 - 5	303757
SHIP TO	CUSTOMER PO	SALESMAN	MADE IN CANADA	
THYSSENKRUPP MATERIALS,NA	PEC-255745	FORBES DODWELL	CERTIFICATION MILL TEST ASTM B221-13	

Mechanical Properties

Lot	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	Mar/04/2014	44.60	41.40	12.10	87.0, 87.3, 87.5	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 23694	0.58	0.214	0.206	0.073	0.81	0.04	0	0.008	0.015	0	0	0	0	0	0	0	0	0	0	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR ECONOMLT 6061-T6511
500' X 12.00" X 144.0000"

PART NO.

P.O/Rel 23744

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-872637-003

14April14
Pg 2/2

Sapa:

Sapa Industrial Extensions
53 POTTSVILLE, PA 17901

CRESCENT, PA

17929-0187

Certified Inspection Report

		Cert Number		Page	
		SAPA91222		Page	
		Cert Creation Date		Cert Print Date	
Sales Order Number	1100724181	Line No.	1	Customer PO	
				PEC-256240-1	04-MAR-14
					04-MAR-14

Alloy	Ti		B		Pb		Others		Total	
	Max	Min	Max	Min	Max	Min	Each	Total	Max	Total
6061	0.15	—	0.05	—	0.05	—	0.05	—	0.05	0.15

Composition Results

Test / Cat	Si	Fe	Cr	Mg	Al	Zn	Ti	B	Pb	Others
5033471	0.66	0.22	0.21	0.04	0.89	0.03	0.02	0.02	—	—

Test / Cat	Test Type	UTS-L		TYS-L		Ei 4D-Long	
		10M	KSI	10M	KSI	10M	KSI
Test Temp	# of Test	—	—	—	—	—	PCT
T6511	Log Number	2166812	1	MIN Value	MAX Value	MIN Value	MAX Value
				41.5	43.5	41.0	41.6
						19.3	19.3

Cert Notes

Products manufactured with a T6511 temper also met T6 temper requirements.
Yield strength has been determined by the 0.2% offset method

All mill finish alloys furnished at Sapa Industrial Extensions comply with Directive 2011/65/EU (RoHS 2) with the exception of 6062 alloy

In accordance with EN 10204 Inspection Certificate Type 3.1

Melted in the USA, or Other Qualified Countries as Defined by DFARS 225.8724

Made in USA

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.125" x .750" X 240.0000"
PART NO. OFFERING 240" LENGTHS

PO/Rel 23744

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-872637-006

14Apr14

Pg 1/1

Signed by: _____

CAN ART
ALUMINUM EXTRUSION INC.

Material Test Report

Manifest: 272317

Ship To: ThyssenKrupp Materials NA
2821 Langstaff Road
Concord, ON L4K 5C6

Ticket:
5345868

Our Order: **400807 - 5** Cust P.O.: **254817**
Die: **ES05485** Part: **05485-000-240**
Alloy Temper: **6061 T6511** Description: **(125 x .750)**
Print Date: **1/15/14**

Sulalul 16

Chemical Composition Range

6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties

Strength ksi

Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length
500712	<u>13121091A</u>	A11	1/15/14	39.56	35.83	10.0

Applicable Specifications: ASTMB221-13

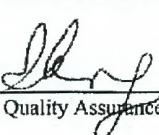
QQA200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with
Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be
incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within
agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized:


Evan Eng, Quality Assurance Mgr.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM ROUND BAR 6061-T6511
1.00" DIA X 144.0000"
PART NO.

PO/Rel 23744

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-872637-010

14Apr14

Pg 1/1

Signed by: _____



LB ALUMINIUM BERHAD
(138535-V)

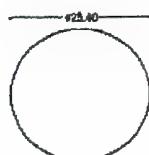


ALUMINIUM EXTRUSION

TEST CERTIFICATE

CUSTOMER: THYSSENKRUPP MATERIALS NA	SECTION NO.: PE01650MF03660	DATE: Jan-06-2014
SALES ORDER NO.: 1380083	WORK ORDER: 377267	ALLOY: 6061-T6511
PRESS NO.: 2000	EXTRUSION DATE: Dec-27-2013	CERTIFICATE NO.: MCERT1400198
CUSTOMER PO NO.: THYSSENKRUPP CA 4		

Section Sketch :



DAS
16/5
969

14/06/16

Thickness = 25.40 mm

CHEMICAL COMPOSITION

Composition	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Analysis Ref.-
Min	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00		
Max	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	Remainder	E3L0076A
Actual	0.660	0.130	0.200	0.100	0.910	0.100	0.010	0.010		Dec-03-2013

MECHANICAL PROPERTIES (Result shown is tested by LBALUM)

	Tensile Strength N/mm ²	Yield Stress N/mm ²	Elongation (%)
Standard	260	240	6
Result	297.27	285.19	16.36

Compliance with ASTM B221M-07

We hereby certify that the material covered by this report has been verified or tested according to the seller standard sampling method or the requirements of any specifications or requirements described herein, and that sample representative of the material met the composition limits and had the mechanical properties shown. Also, note that mercury is not a natural contaminant in aluminium alloys. Neither mercury nor any of its compounds are used in the manufacture of our extrusion. This certificate conforms to 3.1, EN 10204.

** This certificate of Analysis has been produced electronically and is valid without signature **

Lot 11, Jalan Perusahaan 1, Kawasan Perusahaan Beranang, 43700 Beranang, Selangor Darul Ehsan, Malaysia.

Tel: 603-8723 8822 (15 Lines) Fax: 603-8723 3191 (General), 8723 7272 (Sales), 8727 1218 (Export)

Enquiry@lbalum.com.my www.lbalum.com

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
.250" x .750" X 144.0000"
PART NO.

PO/Rel 23744

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results

BL PEC-872637-004

14Apr14

Pg 1/1

Signed by: _____

CAN ART
ALUMINUM EXTRUSION INC.

Material Test Report

Manifest: 267091

Ticket:
5329631

Ship To: ThyssenKrupp Materials NA
2821 Langstaff Road
Concord, ON L4K 5C6

Our Order: 397380 - 5 Cust P.O.: 251597
Die: ES05513 Part: 05513-000-144
Alloy Temper: 6061 T6511 Description: .250 x .750
Print Date: 9/17/13

S.410416

Chemical Composition Range										
6061	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	OtherEach	OtherTotal
Min	0.40		0.15		0.8	0.04				
Max	0.8	0.7	0.40	0.15	1.2	0.35	0.25	0.15	0.05	0.15

Mechanical Properties							
Strength ksi							
Sample ID	Cast #	Lot #	Test Date	Ultimate Tensile	Yield 2% offset	Elongation 2" gage length	
107832	<u>13081551B</u>	A11	9/16/13	43.72	39.84	10.4	

Applicable Specifications: ASTM B221-13 QQA200/8

Country of Origin: 85 Parkshore Drive, Brampton, Ontario CANADA L6T 5M1

Can Art Aluminum Extrusion Inc. certifies that materials shipped under this order have been inspected and tested in accordance with
Aluminum Association and agreed upon customer specifications. Can Art assumes no liability for additional costs which may be
incurred during the customer's manufacture and sale of its products, and is subject only to the replacement of any materials not within
agreed upon specifications provided written notification is received by Can Art within 30 days from the date of shipment.

Ray Hussain - Tensile Testing

Authorized:

Evan Eng
Evan Eng, Quality Assurance Mgr.

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
1.00" X 2.00" X 144.000"
PART NO.

PO/Ref 23744
We certify that this is a true copy of the report
furnished by the producer of the metal or data
resulting from tests made in approved labs.

Signed by: _____
BL PEC-872637-007

14APr14
Pg 1/1

TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4

<http://www.extrudex.com>



ALUMINUM

MILL TEST ASTM B221-12

BILL TO		Cust Code:		DATE OF SHIPMENT		EXTRUDEX ORDER NO.		MANIFEST NO.	
THYSSENKRUPP MATERIALS.NA		1	0.83	S	7238	2/5/2014		165427 - 2	302218
SHIP TO		7238	CUSTOMER PO	ALLOY	TEMPER	SALESMAN			
THYSSENKRUPP MATERIALS.NA			PEC-255295	6061	T6511	FORBES DODWELL			

SO DESCRIPTION

"X2" FB

7238-S

CUSTOMER PART NUMBER

PART DESCRIPTION

1"x2" FB

7238-S

CERTIFICATION

MADE IN CANADA

MILL TEST ASTM B221-13

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.12	6061	Feb/04/14	43.4	39.6	12.50	90.5, 90.7, 90.0	

Chemical Composition

	Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.12	23211	0.57	0.201	0.203	0.056	0.83	0.0510	0.00	0.012	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM SQUARE BAR 6061-T6511

2.00" X 144.0000"

PART NO.



A1 UMTNUM

MILL TEST ASTM B221

1773 CERT CODE: 1 1.00 DATE NUMBER 3132 DATE OF SHIPMENT Mar/03/2014

EXTRUDEX ORDER NO. MANIFEST NO.
166378 - 5 303427

BILL TO	THYSSENKRUPP MATERIALS NA		CUSTOMER PO	ALLOY	TEMPER	SALESMAN
SHIP TO	THYSSENKRUPP MATERIALS NA		pec-258091	6061	T6511	FORBES DODWELL
SO DESCRIPTION	2"sq bar		CUSTOMER PART NUMBER	PART DESCRIPTION		

CERTIFICATION
MILL TEST ASTM B221-13
MADE IN CANADA

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Feb/27/2014	44.00	39.40	14.60	89.9, 89.5, 89.1	

Chemical Composition

Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ca	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
A.11 23650	0.58	0.224	0.213	0.052	0.84	0.049	0	0.007	0.008	0	0	0	0	0	0	0	0	0	0	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

We certify that this is a true copy of the report furnished by the producer of the metal, or data resulting from tests made in approved labs.

P.O/Ref 23744
Signed by:

BL PEC-872637-009
14April14
Pg 1/1

TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210
411CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

Certificate of Mill Test Results

Doc No. 179502
Indexed 5Mar14 by sssup1

14April14
Pg 1/1

David Natale
Quality Control Manager

THYSSENKRUPP MATERIALS NA
DART AEROSPACE
ALUMINUM FLAT BAR 6061-T6511
.750" X 1.50" X 144.0000"

PART NO.

PO/Ref 23744
We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Certificate of Mill Test Results
BL PEC-872037-005 14Apr14
Pg 1/1

EXTRUDEX

AI UMINUM

MILL TEST ASTM B221-12

TEL: (416)745-4444 FAX:(416)745-0925 1-800-668-7210
411 CHRISLEA ROAD, WOODBRIDGE, ONTARIO, CANADA L4L 8N4
<http://www.extrudex.com>

BILL TO	Cust Code:		DATE NUMBER	DATE OF SHIPMENT	EXTRUDEX ORDER NO.	MANIFEST NO.
THYSSENKRUPP MATERIALS,NA	1		S	4969	2/3/2014	165215 - 5
SHIP TO	CUSTOMER NO		ALLOY	TEMPER	SALESMAN	301981
THYSSENKRUPP MATERIALS,NA	PEC-255063		S061	T6511	FORBES DODWELL	MADE IN CANADA
SO DESCRIPTION	PART NUMBER		PART DESCRIPTION		CERTIFICATION	
750"X1.5" H-B	1-750-1500				MILL TEST ASTM B221-12	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness	Conductivity
A.11	6061	Jan/30/14	50.3	45.7	15.70	91.9, 92.3, 91.6	

Chemical Composition

A.11	Cast Number	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
	2BW041	0.61	0.16	0.19	0.03	0.88	0.09	0.00	0.01	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

✓ 04/16
D.N.


David Natale
Quality Control Manager

1 - CUSTOMER COPY

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606/T6 B2.00 x 5.00
 DATE: April 16th, 2014

PO / BATCH NO.: PO 23744 / M606

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: —

THICKNESS ORDERED: 2.00 x 5.00
 THICKNESS RECEIVED: 2.006 x 5.003
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	ASTM B221-
CORRECT REF # TO LINK CERT	Y <u>N</u>	166014-S
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	6061 T6 B2.00 x 5.00
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M128866.
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>16</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>14/04/16</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: Mb061T6B 0.875~1.00

PO / BATCH NO.: PO 23744/M128866

DATE: April 16th, 2014

THICKNESS ORDERED: 0.375 ± 1.00

THICKNESS RECEIVED: 0.372 + 0.993

SHEET SIZE ORDERED:

SHEET SIZE RECEIVED: _____

MATERIAL CERT REC'D: yes

QUANTITY RECEIVED: 24

QUANTITY INSPECTED: 241

QUANTITY REJECTED: 1

DESCRIPTION	NCF (Che Y/N)
SURFACE DAMAGE	Y C
CORRECT FINISH	Y
CORROSION	Y
CORRECT GRAIN DIRECTION	Y
CORRECT MATERIAL	Y
CORRECT THICKNESS	Y
PHOTO REQUIRED	Y
CORRECT MATERIAL	Y
CORRECT REF # TO LINK CERT	Y
CORRECT MATERIAL IDENTIFICATION	Y
CORRECT M# ON THE MATERIAL	Y
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y
DOES THIS REQUIRE AN EXTRUSION REPORT	Y C

MATERIAL AND PREFORM A HARDNESS CHECK.

RECORD RESULTS BELOW

HRC	HRB	DUR A	DUR D

CUT SAMPLE PIECE OF M

RE

TYPE OF MATERIAL
SIZE OF TEST SAMPLE
HARDNESS / DUROMETER READING

ENGINEERING SIGNOFF (if required)

SIGNED OFF BY: _____

DATE: _____

QC 18 INSPECTION

DAS

DAS

16

9-89 14/04/16

DATE: 9-89 14/04/16

bonding material cert and remit to be scanned and received in

Attach this inspection sheet with the corresponding repair slip.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061 T6 B 0.500 x 12.00
 DATE: APRIL 16th, 2016

PO / BATCH NO.: Po 23744 / M128866

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 121
 QUANTITY INSPECTED: 121
 QUANTITY REJECTED: —

THICKNESS ORDERED: 0.500 + 12.00
 THICKNESS RECEIVED: 0.517 + 12.00
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>Y</u> N	
CORRECT MATERIAL	Y <u>X</u> N	
CORRECT THICKNESS	Y <u>Y</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>Y</u> N	AMS - QQ - A 200/R
CORRECT REF # TO LINK CERT	Y <u>Y</u> N	21656812
CORRECT MATERIAL IDENTIFICATION	Y <u>Y</u> N	6061 T6 0.50 x 12.0"
CORRECT M# ON THE MATERIAL	Y <u>Y</u> N	M128866
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>16</u> <u>1-89</u>	SIGNED OFF BY: _____
DATE: <u>14/04/16</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B 0.750±0.250"
 DATE: 10/11/16

PO / BATCH NO.: P0 23744/M 128366

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 121
 QUANTITY INSPECTED: 121
 QUANTITY REJECTED: -

THICKNESS ORDERED: 0.250 x 0.750
 THICKNESS RECEIVED: 0.249 x 0.748
 SHEET SIZE ORDERED: -
 SHEET SIZE RECEIVED: -

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	Y <u>N</u>	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	
CORRECT THICKNESS	Y <u>N</u>	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	Y <u>N</u>	QCAZ0018
CORRECT REF # TO LINK CERT	Y <u>N</u>	13051551B
CORRECT MATERIAL IDENTIFICATION	Y <u>N</u>	6061T6 0.25 x 0.75
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M 128366
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS 16</u>	SIGNED OFF BY:	
DATE:	<u>9-89 14/04/16</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6026176 B 0.750 ± 1.00
 DATE: April 16, 2014

PO / BATCH NO.: P023744/M128866

MATERIAL CERT RECD: yes
 QUANTITY RECEIVED: 121
 QUANTITY INSPECTED: 12
 QUANTITY REJECTED: ✓

THICKNESS ORDERED: 0.750 x 1.00
 THICKNESS RECEIVED: 0.748 ± 1.506
 SHEET SIZE ORDERED: —
 SHEET SIZE RECEIVED: —

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	<input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	<input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL	<input checked="" type="checkbox"/> N	ASTM B221
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	16S125-S
CORRECT MATERIAL IDENTIFICATION <input checked="" type="checkbox"/> N		CORRECT MATERIAL IDENTIFICATION <input checked="" type="checkbox"/> N
128866		CORRECT M# ON THE MATERIAL <input checked="" type="checkbox"/> N
		DOES THIS MATERIAL REQUIRE
		ENGINEERING SIGN OFF <input checked="" type="checkbox"/> N
		DOES THIS REQUIRE AN EXTRUSION REPORT <input checked="" type="checkbox"/> N

PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK.					
RECORD RESULTS BELOW					
TEST SAMPLE READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

CUT SAMPLE					
TYPE OF MATER					
SIZE OF TEST SAM					
HARDNESS / DUROMETE					

ENGINEERING SIGNOFF (if required)					
SIGNED OFF BY: _____					
DATE: _____					

QC 18 INSPECTION					
INSPECTED BY: _____					
DATE: _____					

With the corresponding material cert and remit to be scanned and received in

Attach this inspection sheet w

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 B 0.750x0.125
 DATE: April 16 2016

PO / BATCH NO.: Po 23744/M1288266

MATERIAL CERT RECD: yes
 QUANTITY RECEIVED: 601
 QUANTITY INSPECTED: 601
 QUANTITY REJECTED: —

THICKNESS ORDERED: 0.125 ± 0.750
 THICKNESS RECEIVED: 0.124 ± 0.747
 SHEET SIZE ORDERED: 1
 SHEET SIZE RECEIVED: 1

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	QA A 200/8
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	131210914
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	6061 T6 B 0.750x0.125
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M1288266
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS 16 9-89</u>	SIGNED OFF BY:	
DATE:	<u>14/04/16</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 6061T6 1.00±2.00
 DATE: APRIL 16^H, 2014

PO / BATCH NO.: P023744/M128866

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 241
 QUANTITY INSPECTED: 241
 QUANTITY REJECTED: -

THICKNESS ORDERED: 1.00±2.00
 THICKNESS RECEIVED: 1.007±2.004
 SHEET SIZE ORDERED: /
 SHEET SIZE RECEIVED: /

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Q</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Q</u> N	
CORRECT MATERIAL	<u>Q</u> N	
CORRECT THICKNESS	<u>Q</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT MATERIAL	<u>Q</u> N	ASTM B 221
CORRECT REF # TO LINK CERT	<u>Q</u> N	16 S427-2
CORRECT MATERIAL IDENTIFICATION	<u>Q</u> N	6061T6 1.00±2.00
CORRECT M# ON THE MATERIAL	Y <u>N</u>	M128866.
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>16</u> <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>14/04/16</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 31.250 + 4.500
 DATE: APRIL 16th, 2014

PO / BATCH NO.: PO 23744 / M128266

MATERIAL CERT RECD: yes
 QUANTITY RECEIVED: 12.01
 QUANTITY INSPECTED: 12.1
 QUANTITY REJECTED: —

THICKNESS ORDERED: 1.250 + 4.50
 THICKNESS RECEIVED: 1.263 + 4.510
 SHEET SIZE ORDERED: /
 SHEET SIZE RECEIVED: /

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	N
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	AMS QQ-A-200/8
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	201318955
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	6061 T6 1.250 + 4.500
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	M1288106
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>16</u>	SIGNED OFF BY: _____
DATE: <u>9-89 11/04/16</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061 T6 R1.00
 DATE: April 16th, 2014

PO / BATCH NO.: Po 23744/M128866

MATERIAL CERT REC'D: Yes
 QUANTITY RECEIVED: 601
 QUANTITY INSPECTED: 601
 QUANTITY REJECTED: —

THICKNESS ORDERED: 1.00 Round
 THICKNESS RECEIVED: 1.001
 SHEET SIZE ORDERED: /
 SHEET SIZE RECEIVED: /

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	N
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	N
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT MATERIAL	Y <input checked="" type="checkbox"/>	ASTM B24
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	377267
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	6061 T6 R1.00
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	M128866.
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS 16</u>	SIGNED OFF BY:	
DATE:	<u>9-89 14/04/16</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO23744**

Purchase Order Date 4/10/2014

PO Print Date 4/10/2014

Page Number 1 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

**FAKE IT
FOR GLYNN**

Contact Name	Chantal Lavoie
Vendor Phone	905 669 9444
Ship To Contact	
Ship To Phone	
Ship Via:	VENDOR'S TRUCK
Ship Acct:	

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
Line Comments							
Promise Date							
1	M303B0.750X1.500	303 BAR .750" X 1.500"	4/22/2014 Yes 4/22/2014		12.00 f	\$18.95	\$227.40

MATERIAL: AISI 303 SS BAR AS PER ASTM A582
NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$227.40

2	M6061T6B2.000X05.000	6061T6 Bar 2.00 x 5.000	4/17/2014 Yes 4/17/2014		12.00 f	\$23.50	\$282.00
---	----------------------	-------------------------	-------------------------------	--	---------	---------	----------

MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

NOTE: CUT BAR IN HALF

Line Total: \$282.00

PO Instructions: QUOTATION:
NO: PEC ST-670696
NO: PEC ST-670569

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23744

Purchase Order Date 4/10/2014

PO Print Date 4/10/2014

Page Number 2 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

3	M6061T6B0.375X01.000	6061T6 BAR .375 x 1.00	4/17/2014	24.00	\$1.25 ✓	\$30.00
			Yes	f		
			4/17/2014			

MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

4	M6061T6B0.500X12.000	6061-T6 Bar .500 x 12.00	4/17/2014	12.00	\$14.15 ✓	\$169.80
			Yes	f		
			4/17/2014			

MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

5	M6061T6B0.750X00.250	6061-T6 Bar .750 x .250	4/17/2014	12.00	\$2.50 ✓	\$30.00
			Yes	f		
			4/17/2014			

MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

PO Instructions: QUOTATION:
NO: PEC ST-670696
NO: PEC ST-670569

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO23744**

Purchase Order Date 4/10/2014

PO Print Date 4/10/2014

Page Number 3 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

M128866

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

					Line Total:	\$30.00
6	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	4/17/2014	12.00 f	\$2.67	\$32.00
MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221						
7	M6061T6B00750X00.125	6061-T6 Bar .750 x .125	4/17/2014	60.00 f	\$0.30	\$18.00
MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221						
8	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	4/22/2014	24.00 f	\$4.70	\$112.80
MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221						

PO Instructions: QUOTATION:
NO: PEC ST-670696
NO: PEC ST-670569

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23744

Purchase Order Date 4/10/2014

PO Print Date 4/10/2014

Page Number 4 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)

				Line Total:	\$112.80
9	M6061T6B1.250X04.500	6061-T6 Bar 1.25 X 4.50	4/17/2014	12.00	\$13.17 ✓ \$158.00
			Yes	f	
			4/17/2014		

MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

				Line Total:	\$158.00
10	M6061T6B2.000X02.000	6061-T6 Bar 2.00 x 2.00	4/17/2014	12.00	\$9.33 ✓ \$112.00
			Yes	f	
			4/17/2014		

MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

Line Total: \$112.00

PO Instructions: QUOTATION:
NO: PEC ST-670696
NO: PEC ST-670569

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO23744

Purchase Order Date 4/10/2014

PO Print Date 4/10/2014

Page Number 5 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie

Customer POID

10127-2607

Customer Tax # Net 30

Terms

Net 30

Currency CAD

FCA - (Free Carrier)

Ship To Contact

Ship To Phone

Ship Via: VENDOR'S TRUCK

FOB

Ship Acct:

11	M6061T6B2.000X02.250	6061-T6 Bar 2.00 x 2.25	4/17/2014	12.00	\$12.92	\$155.00
			Yes	f		
			4/17/2014			

MATERIAL: 6061-T6/T651/T6510/T6511/62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221

12	M6061T6R1.000	ROUND BAR 1.00"	4/17/2014	60.00	\$1.83	\$110.00
			Yes	f		
			4/17/2014			

MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$155.00

Line Total: \$110.00

PO Instructions: QUOTATION:
NO: PEC ST-670696
NO: PEC ST-670569

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO23744**

Purchase Order Date 4/10/2014

PO Print Date 4/10/2014

Page Number 6 of 6

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

13	71401-45	PROCUREMENT QUALITY CLAUSES	4/22/2014	1.00	\$0.00	\$0.00
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Procurement Quality Clauses
A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality document

No

4/22/2014

Line Total: \$0.00

PO Total: \$1,437.00

PO Instructions: QUOTATION:
NO: PEC ST-670696
NO: PEC ST-670569

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 2

Change Date: 4/10/2014